



GARY R. HERBERT  
Governor

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Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

September 6, 2013

Dennis MacDonald  
818 S. Highway 89A  
Kanab, Utah 84741

Subject: Division Directive to Reclaim, Dennis MacDonald, The Alton Mine, S/025/0031, Kane County, Utah

Dear Mr. MacDonald:

On October 18, 2012, November 28, 2012, and June 19, 2013, the Division of Oil, Gas and Mining inspected your burnt shale mining operations, which are not yet permitted or reclaimed. You are required to take one of the following actions by the dates indicated:

1. Regrade all of your mining areas by October 15, 2013.
2. By September 20, 2013, submit a legible operations map identifying areas that will be included in the Notice of Intention to Commence Small Mining Operations (Notice) and areas that will be regraded by October 15, 2013. You may use the attached map to complete this requirement, or you may provide a different map at a scale of about 1"=500'. Any area not included in the Notice must be regraded by October 15, 2013.

**Failure to complete these actions will likely result in enforcement action which will include fines.**

You will be required to provide additional reclamation surety for areas you plan to include in the Notice. The Division has confirmed verbally that the Bureau of Land Management (BLM) holds reclamation surety in the amount of \$500.00. This applies to the western area. The Division's average bond costs per acre are shown below, and the amount of required surety will be based on the size of the disturbed area:



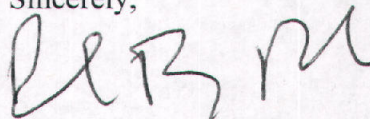
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Disturbance <sup>1</sup> (acres)	Adjusted 3-yr Reclamation Surety Costs (2013)		
	First Acre <sup>2</sup> (3-yr)	Subsequent Cost/Acre	Total - 3 yr (thru 2015)
1	\$9,400	\$5,200	\$9,400
2	\$9,400	\$5,200	\$14,600
3	\$9,400	\$5,200	\$19,800
4	\$9,400	\$5,200	\$25,000
5	\$9,400	\$5,200	\$30,200
6	\$13,600	\$5,400	\$40,600
7	\$13,600	\$5,400	\$46,000
8	\$13,600	\$5,400	\$51,400
9	\$13,600	\$5,400	\$56,800
10	\$13,600	\$5,400	\$62,200
<sup>1</sup> Measured disturbance is rounded up to the next full acre.			
<sup>2</sup> The reclamation cost for the First Acre includes equipment O&M and labor, plus mobilization, demobilization, and third-party and indirect costs.			
Sixth acre includes additional mob/demob.			

Regraded areas should be seeded as soon as possible after regrading, and the Division recommends that you use the attached seed mix.

If you have questions or concerns about this letter, please contact Lynn Kunzler at 801-538-5310, Peter Brinton at 801-538-5258, or me at 801-538-5261. Thank you for your cooperation.

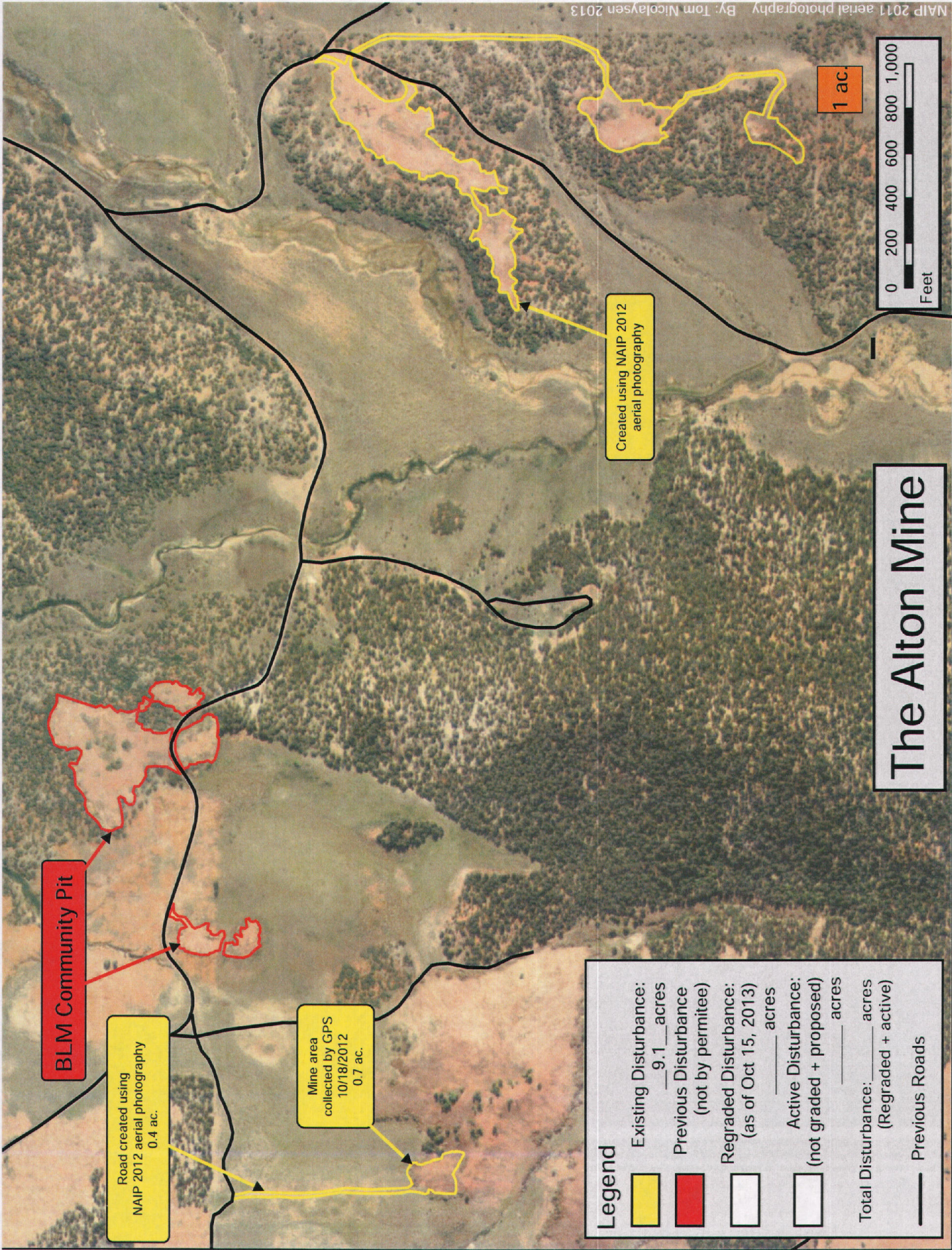
Sincerely,



Paul B. Baker  
Minerals Program Manager

PBB: pnb: eb  
Enclosed: Draft Small Mine Operation Map  
cc: James Holland, BLM-Kanab (james\_holland@blm.gov)  
P:\GROUPS\MINERALS\WP\M025-Kane\S0250031-The Alton\final\DIRECTIVE-08292013.doc





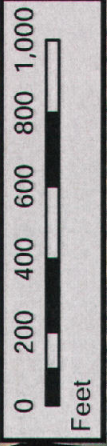
**Legend**

- Existing Disturbance: 9.1 acres
- Previous Disturbance (not by permittee)
- Regraded Disturbance: (as of Oct 15, 2013)
- Active Disturbance: (not graded + proposed)

Total Disturbance: (Regraded + active)

Previous Roads

**The Alton Mine**



1 ac.

Created using NAIP 2012 aerial photography

BLM Community Pit

Road created using NAIP 2012 aerial photography 0.4 ac.

Mine area collected by GPS 10/18/2012 0.7 ac.



## Recommended Revegetation Species List

The Alton Mine

S/025/0031

<u>Common Name</u>	<u>Species Name</u>	<u>*Rate lbs/ac (PLS)</u>
Thickspike wheatgrass	<u>Agropyron dasystachum</u>	2.0
Bluebunch wheatgrass	<u>Agropyron spicatum</u>	2.0
Intermediate wheatgrass	<u>Agropyron intermedium</u>	1.0
Basin Wildrye	<u>Elymus cinereus</u>	2.0
Ladac Alfalfa	<u>Medicago sativa</u>	0.5
Yellow sweetclover	<u>Melilotus officinalis</u>	0.5
Palmer penstemon	<u>Penstemon palmerii</u>	0.5
Small burnet	<u>Sanguisorba minor</u>	1.5
Mountain big sagebrush	<u>Artemisia tridentata vaseyana</u>	0.1
Forage kochia	<u>Kochia prostrata</u>	0.5
Bitterbrush	<u>Purshia tridentata</u>	1.0
Total		11.6 lbs/ac

Broadcast seeding rate.